

**USER INTERFACE**

Operation system	Windows 7 Ultimate EN
Software	Grapo print software, Grapo RIP software, Caldera V8 RIP software (optional)
Image formats	PDF, TIFF, JPEG, EPS
Interface	Gigabit Ethernet , LCD monitor, keyboard, mouse
Special features	Linear engine, optical linear encoder, automatic sensing of media thickness, remote web administration

**PHYSICAL SPECIFICATIONS**

External dimensions	4500 x 2050 x 1850 mm (177 x 81 x 73 in)
Weight	3700 kg (8 157 lb)
Electrical requirements	3 x 400 V / 50 ÷ 60 Hz / nom 5kW, max 17,7 kW
Environmental specifications	Temperature 20 - 26°C, relative humidity 30 - 70%, non-dusty area

**SHARK X8/1080UV**



**Sigmajet**  
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Czech Republic

**Gemini** – technical specifications

**USER INTERFACE**

Operation system	Windows 7 Ultimate EN
Workflow processing	Grapo print software, Grapo RIP software, Caldera V8 RIP software (optional)
Image formats	PDF, TIFF, JPEG, EPS
Interface	Gigabit Ethernet, LCD monitor, keyboard, mouse, signmark light

**PHYSICAL SPECIFICATIONS**

External dimensions	5675 x 4590 x 1826 mm (223 x 181 x 72 in)
Weight	2700 kg (5952 lb)
Electrical requirements	3 x 400V / 50 ÷ 60 Hz/ nom 5 kW, max 18,7 kW
Environmental specifications	Temperature 18 - 26°C, relative humidity 30 - 70%, non-dusty area

**GEMINI X10/1080UV**



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**Manta White** – technical specifications

**USER INTERFACE**

Operation system	Windows 7 Ultimate EN
Software	Grapo print software, Grapo RIP software, Caldera V8 RIP software (optional)
Image formats	PDF, TIFF, JPEG, EPS
Interface	Gigabit Ethernet, LCD monitor, keyboard, mouse

**PHYSICAL SPECIFICATIONS**

External dimensions	3800 x 1500 x 4400 mm (150 x 59 x 173 in)
Weight	1250 kg (2756 lb)
Electrical requirements	3 x 400 V / 50 ÷ 60 Hz / nom 3 kW, max 3,5 kW
Environmental specifications	Temperature 20 - 26°C, relative humidity 30 - 70%, non-dusty area

**MANTA WHITE KMW 5/720UV**



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**Manta Slim** – technical specifications

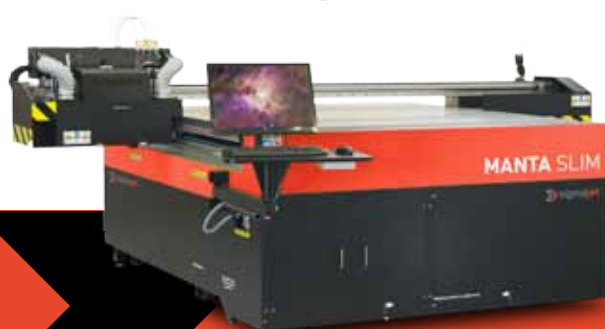
**USER INTERFACE**

Operation system	Windows 7 Ultimate EN
Software	Grapo print software, Grapo RIP software, Caldera V8 RIP software (optional)
Image formats	PDF, TIFF, JPEG, EPS
Interface	Gigabit Ethernet, LCD monitor, keyboard, mouse

**PHYSICAL SPECIFICATIONS**

External dimensions	3000 x 3800 x 1500 mm (118 x 150 x 59 in)
Weight	1050 kg (2315 lb)
Electrical requirements	3 x 400 V / 50 ÷ 60 Hz / nom 2 kW, max 2,3 kW
Environmental specifications	Temperature 20 - 26°C, relative humidity 30 - 70%, non-dusty area

**MANTA SLIM KM8/720UV**



## TECHNOLOGY

Printing technology	UV curable piezoelectric inkjet
Printheads	8 x Xaar 1001 Through-Flow Technology with variable drop size of 6 to 42 pl
Nozzles per head	1000
Hardware resolution	360 x 360 dpi
Apparent resolution	up to 1080 dpi
Printing speeds	Maximum up to 245 sqm/h (2637 sqf/h) Production quality up to 61 sqm/h (657 sqf/h) High quality up to 41 sqm/h (441 sqf/h)

## COLOR / INK

Color system	CMYK
Ink	Sigmajet inks
Ink reservoir	4 x 10 litres (17,6 pt) CMYK
Curing system	Continuous regulated water-cooled UV lamps up to 100W/cm

## MEDIA

Media types	rigid sheets, flexible roll materials, objects
Maximum media thickness	50 mm (2 in)
Table size	2,05 x 4 m (80 x 157 in)
Print area	2 x 4 m (79 x 157 in)
Print area (roll-to-roll)	2 m x ∞ (79 in x ∞)
Maximum roll size	2,05 m (80 in) / ø 450mm (18 in),
Maximum core inner diameter	76 mm (3 in)
Maximum roll weight	150 kg (331 lb)
Transport system	Endless belt, continuous regulated suction system, up to 100kg (50 kg/sqm)
Material handling	Integrated take up system, front and rear roller tables, autofeeder, autocutter

# Gemini – technical specifications

## TECHNOLOGY

Printing technology	UV curable piezoelectric inkjet
Printheads	10 x XAAR 1001 Through-Flow Technology with variable drop size of 6 to 42 pl
Nozzles per head	1000
Hardware resolution	360 x 360 dpi
Apparent resolution	up to 1200 dpi
Printing speeds	Maximum up to 90 sqm/h (969 sqf/h) Production quality up to 45 sqm/h (484 sqf/h) High quality 5 – 20 sqm/h (54 – 215 sqf/h)

## COLOR / INK

Color system	CMYK + W + V
Ink	Sigmajet inks
Ink reservoir	4 x 5 litres (8,8 pt) CMYK + 1 x 5 l White + 1 x 5 l Varnish
Curing system	Water and air cooled lamps

## MEDIA

Media types	Rigid sheets, flexible roll materials, objects
Maximum media thickness	50 mm (2 in)
Table size	2,05 x 3,1 m (80 x 120 in)
Print area (flatbed)	2 x 3 m (79 x 118 in)
Print area (roll)	1,6 m x ∞ (63 in x ∞)
Maximum roll size	1,6 m (63 in) / ø 250mm (9,8 in)
Maximum core inner diameter	76 mm (3 in)
Maximum roll weight	100 kg (220 lb)

# Manta White – technical specifications

## TECHNOLOGY

Printing technology	Piezo drop-on-demand inkjet system
Printheads	4x Konica Minolta printheads 14/28pl + 1 x Konica Minolta printhead 42pl
Nozzles per head	512
Hardware resolution	200 x 360 dpi
Apparent resolution	up to 720 dpi
Printing speeds	Maximum up to 55 sqm/h (592 sqf/h) Production quality 15 - 20 sqm/h (161 - 215 sqf/h) High quality 7 – 10 sqm/h (75 – 108 sqf/h)

## COLOR / INK

Color system	CMYK + White
Ink	Sigmajet inks
Ink reservoir	4 x 5 litres (8,8 pt) CMYK + 1 x 5 litres (8,8 pt) White
Curing system	Air-cooled UV lamps

## MEDIA

Media types	PVC sheet, plexiglass, wood, glass, ceramics, metal, polystyrene, foam, thermocol, cardboard, paper, banner, textile, etc.
Maximum media thickness	60 mm (2,4 in)
Table size	2,05 x 3,05 m (80 x 120 in)
Print area flatbed	2 x 3 m (79 x 118 in)

# Manta Slim – technical specifications

## TECHNOLOGY

Printing technology	Piezo drop-on-demand inkjet system
Printheads	8 x Konica Minolta printheads 14/28 pl or 42 pl, or 4 x Konica Minolta printheads 14/28 pl (CMYK) + 1 x Konica Minolta printhead 42 pl (White)
Nozzles per head	512
Hardware resolution	360 x 360 dpi
Apparent resolution	up to 720 dpi
Printing speeds	Maximum up to 110 sqm/h (1184 sqf/h) Production quality 30 - 40 sqm/h (323 - 431 sqf/h) High quality 15 - 20 sqm/h (161 - 215 sqf/h)

## COLOR / INK

Color system	CMYK or CMYK + White
Ink	Sigmajet inks
Ink reservoir	4 x 5 litres (8,8 pt) CMYK or 4 x 5 litres (8,8 pt) CMYK + 1 x 5 litres White
Curing system	Air-cooled UV lamps

## MEDIA

Media types	PVC sheet, plexiglass, wood, glass, ceramics, metal, polystyrene, foam, thermocol, cardboard, paper, banner, textile, etc.
Maximum media thickness	60 mm (2,4 in)
Table size	2,05 x 1,525 m (80 x 60 in)
Print area flatbed	2 x 1,5 m (79 x 59 in)